

Date: Sun, 23 Jan 94 16:09:45 PST  
From: Info-Hams Mailing List and Newsgroup <info-hams@ucsd.edu>  
Errors-To: Info-Hams-Errors@UCSD.Edu  
Reply-To: Info-Hams@UCSD.Edu  
Precedence: Bulk  
Subject: Info-Hams Digest V94 #68  
To: Info-Hams

Info-Hams Digest                      Sun, 23 Jan 94                      Volume 94 : Issue    68

Today's Topics:

                    ANS-022 BULLETINS  
                    Boatanchors "forum"  
                    CONTEST HELP!!!!!!!!!!!!!!  
                    Help wanted with KA9Q comms package.  
How to find the answers to frequently-asked questions about Ham Radio  
                    Tubes, ~4800 of them for sale!  
                    Where is ss25.zip?

Send Replies or notes for publication to: <Info-Hams@UCSD.Edu>  
Send subscription requests to: <Info-Hams-REQUEST@UCSD.Edu>  
Problems you can't solve otherwise to brian@ucsd.edu.

Archives of past issues of the Info-Hams Digest are available  
(by FTP only) from UCSD.Edu in directory "mailarchives/info-hams".

We trust that readers are intelligent enough to realize that all text  
herein consists of personal comments and does not represent the official  
policies or positions of any party. Your mileage may vary. So there.

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Date: 23 Jan 94 22:55:06 GMT  
From: news-mail-gateway@ucsd.edu  
Subject: ANS-022 BULLETINS  
To: info-hams@ucsd.edu

SB SAT @ AMSAT    \$ANS-022.01  
STS-60 ASTRONAUTS GET CALL SIGNS

HR AMSAT NEWS SERVICE BULLETIN 022.01 FROM AMSAT HQ  
SILVER SPRING, MD JANUARY 22, 1994  
TO ALL RADIO AMATEURS BT  
BID: \$ANS-022.01

STS-60 ASTRONAUTS ISSUED HAM CALL SIGNS

Astronauts Charles F. Bolden, Jr. of Columbia, South Carolina and Ronald M.

Sega of Seabrook, Texas, have been issued amateur radio call signs in preparation for their joint U.S.-Russia science mission. The Spacehab science objectives are primarily micro-gravity oriented with emphasis on materials and life science. Bolden (KE4IQB) is commander of the space shuttle Discovery (OV-103) due for lift off on February 3, 1994, at 12:10 UTC from Cape Kennedy. Sega (now KC5ETH) is the second of four Mission Specialists. They plan to contact several schools as part of the SAREX program - including one in Russia. The flight of STS-60 represents an historic first, the first of several joint U.S.-Russian Space Shuttle flights planned in preparation for the development of the international Space Station. Veteran cosmonaut Sergei Krikalev (U5MIR) was chosen to be the first Russian to fly on the U.S. Space Shuttle. During the 8 day flight, Cosmonaut Krikalev will support the science operations on the Space Shuttle as Mission Specialist 4. Last year, Sergei attended the Dallas Ham-Com convention and said he would try to qualify for a U.S. license - but his training duties have prevented him from doing so. Since no reciprocal operating privileges exist between Russia and the United States, Sergei will operate amateur radio under Bolden's control operator authority. The possibility also exists for the first U.S. Space Shuttle to Mir Space Station (Russian astronaut-to-Russian cosmonaut) amateur radio contact! Three new Russian amateurs were launched on January 8, 1994 aboard a Soyuz rocket and docked at the MIR space station on January 10th. The new crew includes Viktor Afanasiev (commander) U9MIR, Yuri Usachev (flight engineer) R3MIR and Valerij Polyakov (doctor) U3MIR. They are using the call sign R0MIR on packet.

[The AMSAT News Service would like to thank W5YI for this bulletin item.]

/EX

SB SAT @ AMSAT \$ANS-022.02  
MICROSATS TURN 4 YEARS OLD!

HR AMSAT NEWS SERVICE BULLETIN 022.02 FROM AMSAT HQ  
SILVER SPRING, MD JANUARY 22, 1994  
TO ALL RADIO AMATEURS BT  
BID: \$ANS-022.02

HAPPY 4TH BIRTHDAY To DOVE, PACSAT, WEBERSAT, And LUSAT!

Four years ago, four small cube-shaped satellites were launched from the Kourou, French Guyana spaceport aboard an Ariane rocket at 01:35 UTC, 21-JAN-90. They started a new era in radio amateur satellite communications.

/EX

SB SAT @ AMSAT \$ANS-022.03  
STS-60 SAREX TWO WEEKS AWAY!

HR AMSAT NEWS SERVICE BULLETIN 022.03 FROM AMSAT HQ  
SILVER SPRING, MD JANUARY 22, 1994  
TO ALL RADIO AMATEURS BT  
BID: \$ANS-022.03

#### STS-60 SAREX Mission Less Than Two Weeks Away

STS-60 is currently scheduled for launch on February 3, 1994 at 12:10 UTC. The flight of STS-60 represents an historic first -- the first joint U.S.-Russian Space Shuttle flight. This will be the first of several joint missions planned in preparation for the development of the international Space Station. Cosmonaut Sergei Krikalev, U5MIR, was chosen to be the first Russian to fly on the U.S. Space Shuttle. SAREX information for STS-60 including frequencies, callsigns and Keplerian elements, follows:

#### STS-60 Shuttle Amateur Radio Experiment (SAREX) Information Sheet

Mission: STS-60 Space Shuttle Discovery Wake Shield Facility & Spacehab-2 Mission

Launch: February 3, 1994, 12:10 UTC

Orbit: 57 degree inclination

Mission Length: 8 days (Nominal)

#### Amateur Radio

Operators: Charlie Bolden, KE4IQB, Ron Sega, KC5ETH,  
Sergei Krikalev, U5MIR

Modes: FM Voice

Prime callsign: KE4IQB

#### Packet Radio

Callsign: W5RRR-1

Frequencies: All operations in split mode. Do not transmit on the downlink frequency.

Voice Freqs: Downlink: 145.55 MHz (Worldwide)  
Uplinks: 144.91, 144.93, 144.95, 144.97, 144.99 MHz  
(Except Europe)  
144.70, 144.75, 144.80 MHz (Europe only)

Note: The crew will not favor any specific uplink frequency, so your ability to work the crew will be the "luck of the draw."

Packet Freqs: Downlink: 145.55 MHz

Uplink:144.49 MHz

Info: Goddard Amateur Radio Club, WA3NAN, Greenbelt Maryland,  
SAREX Bulletins and Shuttle Retransmissions  
3860 KHz, 7185 KHz, 14,295 KHz, 21,395 KHz, 28,650 KHz and  
147.45 MHz (FM)

Johnson Space Center ARC, W5RRR, Houston, Texas SAREX Bulletins  
7225 KHz, 14,280 KHz, 21,395 KHz, 28,650 KHz, (SSB) and  
146.64 MHz (FM)

ARRL Amateur Radio Station, W1AW, Newington, CT SAREX News  
Bulletins 3990, 7290, 14,290, 18,160, 21,390, and 28,590 KHz and  
147.555 MHz (FM)

Also, bulletins available on internet, via AMSAT ANS, Compuserve,  
and your local PBSS.

School Group Participation: 5 school groups will participate in  
SAREX with pre-scheduled direct and telebridge contacts. These  
include 4 in the U.S. and one in Russia.

Prelaunch Keplerian Elements:

The following Keplerian Elements are provided by Gil Carman, WA5NOM  
at the Johnson Space Center ARC:

Satellite: STS-60  
Catalog number: 00060  
Epoch time: 94034.56756353 (03 FEB 94 13:37:17.49 UTC)  
Element set: 004  
Inclination: 57.0033 deg  
RA of node: 215.8607 deg Space Shuttle Flight STS-60  
Eccentricity: .0010675 Prelaunch Element set JSC-004  
Arg of perigee: 264.1500 deg Launch: 03 FEB 94 12:10 UTC  
Mean anomaly: 95.8328 deg  
Mean motion: 15.72291901 rev/day Gil Carman, WA5NOM  
Decay rate: 3.3600e-04 rev/day\*2 NASA Johnson Space Center  
Epoch rev: 2  
Checksum: 254

/EX

SB SAT @ AMSAT \$ANS-022.05  
AO-13 OPERATIONS NET SCHEDS

HR AMSAT NEWS SERVICE BULLETIN 022.05 FROM AMSAT HQ  
SILVER SPRING, MD JANUARY 22, 1994

TO ALL RADIO AMATEURS BT  
BID: \$ANS-022.05

#### Current AMSAT Operations Net Schedule For AO-13

AMSAT Operations Nets are planned for the following times. Mode-B Nets are conducted on AO-13 on a downlink frequency of 145.950 MHz. If, at the start of the OPS Net, the frequency of 145.950 MHz is being used for a QSO, OPS Net enthusiasts are asked to move to the alternate frequency of 145.955 MHz.

| Date      | UTC  | Mode | Phs | NCS    | Alt NCS |
|-----------|------|------|-----|--------|---------|
| 06-Feb-94 | 0530 | B    | 057 | W5IU   | WA5ZIB  |
| 12-Feb-94 | 2200 | B    | 063 | W9ODI  | VE2LVC  |
| 20-Feb-94 | 0200 | B    | 070 | WA5ZIB | W5IU    |
| 28-Feb-94 | 0430 | B    | 068 | WB6LLO | W9ODI   |

Any stations with information on current events would be most welcomed. Also, those interested in discussing technical issues or who have questions about any particular aspect of OSCAR satellite operations, are encouraged to join the OPS Nets. If neither of the Net Control Stations show up, any participant is invited to act as the NCS.

/EX  
SB SAT @ AMSAT \$ANS-022.06  
WEEKLY OSCAR STATUS REPORTS

HR AMSAT NEWS SERVICE BULLETIN 022.06 FROM AMSAT HQ  
SILVER SPRING, MD JANUARY 22, 1994  
TO ALL RADIO AMATEURS BT  
BID: \$ANS-022.06

Weekly OSCAR Status Reports: 21-JAN-94

#### AO-13: Current Transponder Operating Schedule:

L QST \*\*\* AO-13 TRANSPONDER SCHEDULE \*\*\* 1993 Dec 27-Jan 31

Mode-B : MA 0 to MA 180 | OFF

Mode-B : MA 180 to MA 220 |

Mode-S : MA 220 to MA 230 |<- S transponder; B trsp. is OFF

Mode-BS : MA 230 to MA 250 | Blon/Blat 240/-5

Mode-B : MA 250 to MA 256 | OFF

Omnis : MA 250 to MA 150 | Move to attitude 180/0, 31-Jan-94

L QST \*\*\* AO-13 TRANSPONDER SCHEDULE \*\*\* 1994 Jan 31-Apr 04

Mode-B : MA 0 to MA 90 |

Mode-BS : MA 90 to MA 120 |

Mode-S : MA 120 to MA 145 |<- S transponder; B trsp. is OFF  
Mode-S : MA 145 to MA 150 |<- S beacon only  
Mode-BS : MA 150 to MA 180 | Blon/Blat 180/0  
Mode-B : MA 180 to MA 256 |  
Omnis : MA 230 to MA 30 | Move to attitude 240/0, Apr 04  
Poor Sun angle and battery testing need maximum OFF time.  
[G3RUH/DB20S/VK5AGR]

F0-20: The following is the current F0-20 operating schedule:  
From January '94 thru March '94, the analog mode and the  
digital mode will be on alternately for a week at a time.

ANALOG MODE:

26-JAN-94 8:20 -TO- 02-FEB-94 6:50 UTC  
09-FEB-94 7:15 -TO- 16-FEB-94 7:40 UTC  
23-FEB-94 8:05 -TO- 02-MAR-94 6:40 UTC  
09-MAR-94 7:05 -TO- 16-MAR-94 7:30 UTC  
23-MAR-94 7:52 -TO- 30-MAR-94 8:15 UTC

DIGITAL MODE: Unless otherwise noted above.

[Kazu Sakamoto (JJ1WTK) qga02014@niftyserve.or.jp]

A0-16: Operating normally. [WH6I]

L0-19: Operating normally. [WH6I]

K0-23: Up and running. Busy as usual. The most recent image files have  
been blank. [WH6I]

PoSAT: G3AAJ reports than an agreement has been signed regarding the  
PoSAT schedule and that amateur access to PoSAT will commence on  
the 28th or 29th of January '94. [G3IOR]

K0-25: G3RWL had a personal communication from the ground controllers  
stating that K0-25 will open up for amateur radio communications  
in early Febuary '94. [G3IOR]

The AMSAT NEWS Service (ANS) is looking for volunteers to contribute weekly  
OSCAR status reports. If you have a favorite OSCAR which you work on a  
regular basis and would like to contribute to this bulletin, please send  
your observations to WD0HHU at his CompuServe address of 70524,2272, on  
INTERNET at wd0hhu@amsat.org, or to his local packet BBS in the Denver, CO  
area, WD0HHU @ W0LJF.#NECO.CO.USA.NOAM. Also, if you find that the current  
set of orbital elements are not generating the correct AOS/LOS times at  
your QTH, PLEASE INCLUDE THAT INFORMATION AS WELL. The information you  
provide will be of value to all OSCAR enthusiasts.

/EX

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Date: 23 Jan 1994 04:49:33 GMT  
From: sdd.hp.com!vixen.cso.uiuc.edu!howland.reston.ans.net!cs.utexas.edu!swrinde!  
sgiblab!wrdis02.robins.af.mil!lakeith@network.ucsd.edu  
Subject: Boatanchors "forum"  
To: info-hams@ucsd.edu

J. D. Delancy (k1zat@bah.COM) wrote:  
: Interested in what other people have for "boatanchors"? Been  
: looking for a type 80 tube to go in your 1927 Oceananic  
: receiver? This and lots more. Check out the boatanchors  
: "forum" on internet e-mail.

: Subscribe to: boatanchors@gnu.ai.mit.edu  
: ^^^

CORRECTION..

Subscribe to boatanchors-request@gnu.ai.mit.edu

That will keep our listowner much happier!!

73,

Larry Keith, KQ4BY

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Date: 21 Jan 94 13:44:14 CST  
From: library.ucla.edu!agate!howland.reston.ans.net!paladin.american.edu!  
darwin.sura.net!tulane!agwbbs!Angelo\_Glorioso\_Iii@network.ucsd.edu  
Subject: CONTEST HELP!!!!!!!!!!!!!!  
To: info-hams@ucsd.edu

Hi All,

Our club is about to enter the Jan. VHF Sweepstakes Contest tomorrow and  
found out that CT does not handle the contest.. Is there a contest software  
that does and what is the FTP site???

Thanks for the help!!!!!!

-- Via DLG Pro v1.0

Internet:angelo\_glorioso\_III@agwbbs.new-orleans.LA.US

Usenet:rex!agwbbs!angelo\_glorioso\_III  
Packet:N5UXT @ N5UXT.#NOLA.LA.USA.NA  
Tcp/ip:N5UXT.AMPR.ORG [44.108.2.13]

-----  
Date: 23 Jan 94 21:47:25 GMT  
From: ogicse!psgrain!ee.und.ac.za!hippo.ru.ac.za!itu1.sun.ac.za!  
dubu@network.ucsd.edu  
Subject: Help wanted with KA9Q comms package.  
To: info-hams@ucsd.edu

I am using the KA9Q package to impliment ax.25, KISS (maybe some more)  
for the communication software for a satellite being buildt here.  
The sat. (SUNSAT) is an small experimental satellite. Amateur (+packet)  
radio support is one of the major tasks.

What I actually need:

- > Programmers documentation of KA9Q (if it exists - I have scanned quite  
a few sites.)
- > Possibly Phil Karn's e-mail address (if he has one)

Thanx  
Johan

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| J du Buson | e-mail: dubu@seagoon.ee.sun.ac.za |  
| SUNSAT Lab | dubu@itu1.sun.ac.za |  
| E&E Engineering | jdubuson@firga.sun.ac.za |  
| University of Stellenbosch | work-tel: +27 21 808 4472 |  
| 7600, ZA | home-tel: +27 21 886 4050 |  
-----

DISCLAIMER: Me not say nothing for no-one!

-----  
Date: Fri, 21 Jan 1994 02:44:05 GMT  
From: sdd.hp.com!vixen.cso.uiuc.edu!uwm.edu!cs.utexas.edu!swrinde!sgiblab!  
pacbell.com!amdahl!thunder!ikluft@network.ucsd.edu  
Subject: How to find the answers to frequently-asked questions about Ham Radio  
To: info-hams@ucsd.edu

Posted-By: auto-faq 3.1.1.4  
Archive-name: ham-faq-ptr

How to find the Rec.radio.amateur.misc Frequently Asked Questions list



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This article will tell you how to find the answers to frequently-asked Questions (FAQ) from rec.radio.amateur.misc. The FAQ articles are posted on the 7th of each month. This article is posted on the 14th, 21st, and 28th of every month as a reminder of where to find the FAQ.

The FAQ articles are intended to summarize some common questions on the rec.radio.amateur.misc newsgroup and Info-Hams mail list as well as to help beginners get started.

Besides the monthly posting, the FAQ is always available via anonymous FTP and from e-mail servers. This article contains instructions for obtaining a copy of the FAQ. It also contains the table of contents from the FAQ so that you know which questions are covered by it.

Please provide a copy of the FAQ to any new or soon-to-be Hams you know.

Regular FAQ postings can help save network bandwidth and maintain a good signal-to-noise ratio in the newsgroup. However, they can't do it alone - you, the reader, have to use them. If you are a new user, please print and review the FAQ articles and look at the instructions in the news.newusers newsgroup before posting any articles. If you are an experienced user, please help by refraining from answering frequently-asked questions on the newsgroup if they are already answered by the FAQ articles. Instead, send e-mail to the user who asked the question. (It will be helpful if you include the part of the FAQ that answers their question, but not the whole thing.)

--How to obtain a current copy of the FAQ-----

There are 7 ways to obtain a copy of the FAQ.

- 1) NetNews
- 2) Anonymous FTP
- 3) An Electronic Mail Server
- 4) Mail List Subscription
- 5) Gopher
- 6) Wide Area Information Server (WAIS)
- 7) World-Wide Web (WWW)

Option #1: NetNews

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If you are familiar enough with NetNews to look through previous articles on your system, Option #1 above may be the easiest for you. The FAQ is posted so that it should not expire from your site's news spool until the next one is posted. Unfortunately, some news administrators do not honor the expiration dates meant to preserve the FAQ.

Look in rec.radio.amateur.misc, rec.radio.info, rec.answers, or news.answers.

If the FAQ has expired at your site, try Option #2 (and ask your news administrator to honor expiration dates for articles cross-posted to news.answers if he/she can.)

#### Option #2: Anonymous FTP

-----  
Anonymous FTP uses the File Transfer Protocol. It is only available to sites which are directly connected to the Internet. If you don't know how to use FTP and can't find a friend to help you, continue to Option #3. If your site is not connected to the Internet, you should also continue to Option #3.

The following sites have copies of the FAQ:

| site name & address | path to FAQ articles  |
|---------------------|---|
| -----               | -----   |
| ftp.amdahl.com      | pub/radio/amateur/faq.[1-3].Z<br>located in western USA, FAQ updated daily  |
| ftp.cs.buffalo.edu  | pub/ham-radio/faq_ham_[1-3]<br>located in eastern USA, FAQ updated monthly  |
| rtfm.mit.edu        | pub/usenet/news.answers/radio/ham-radio/faq/part*<br>located in eastern USA, FAQ updated monthly<br>contains news.answers archive - most UseNet FAQs are here |
| grivel.une.edu.au   | pub/ham-radio/buffalo/ham-radio/faq_ham_[1-3]<br>located in Australia, FAQ updated monthly<br>(Ham files mirrored from buffalo/funet/ucsd daily)              |
| nic.funet.fi        | pub/ham/info/faq_ham_[1-3]<br>located in Finland, FAQ updated monthly   |

Remember, when connecting to the remote system, use the login name of "anonymous" and, as a courtesy to the site administrators, your e-mail address for the password.

#### Option #3: Electronic Mail Server

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If you can't use Options 1 or 2, your only remaining option is electronic mail. You can retrieve a copy of the FAQ by sending a message to mail-server@rtfm.mit.edu

The body of your mail will contain a command for the mail server software. To get all of the FAQ (consisting of 70K of e-mail in 3 parts), place the following in the first line of your message:  
send usenet/news.answers/radio/ham-radio/faq/\*

Leave out the subject of your message because the mail server will ignore it.

--- begin sample mail message ---  
To: mail-server@rtfm.mit.edu  
From: me@here.org  
Date: Mon Aug 14 22:27:33 PDT 1995

send usenet/news.answers/radio/ham-radio/faq/\*  
--- end sample mail message ---

#### Option #4: Mail List Subscription

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If you prefer, you may get the FAQ and other periodic Ham Radio information as it gets posted. All the information posted to rec.radio.info can be obtained through the UCSD list server via the "radio-info" mail list. To subscribe, send an e-mail to

listserv@ucsd.edu

Similar to the e-mail server listed above, just send a single-line message  
subscribe radio-info

If you need more information, the listserv program also accepts a "help" command. Just keep it on a separate line in the message.

#### Option #5: Gopher

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You can access gopher servers on TCP port 70 (gopher protocol) at the following locations which carry the Ham Radio FAQ:

cc1.kuleuven.ac.be

jupiter.sun.csd.unb.ca

gopher.univ-lyon1.fr

ftp.win.tue.nl

gopher.win.tue.nl

For more information on gopher, see the comp.infosystems.gopher newsgroup.

#### Option #6: Wide Area Information Server (WAIS)

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In addition to the other services mentioned above, rtfm.mit.edu offers a WAIS server on TCP port 210. Use the "usenet" database to access the FAQ.

For more information on WAIS, see the comp.infosystems.wais newsgroup.

#### Option #7: World-Wide Web (WWW)

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The World-Wide Web (WWW) has experienced explosive growth in usage since early 1993. WWW clients like Lynx (in ASCII text) or NCSA Mosaic (X/Motif) can display the FAQ from many different sources. Each source is named by a URL (uniform resource locator.) The following URLs can be used to find the FAQ:

<http://www.cis.ohio-state.edu:80/hypertext/faq/usenet>

Other services listed earlier are also accessible with WWW at the following URLs:

news:rec.radio.info

file://ftp.amdahl.com/pub/radio/amateur

file://ftp.cs.buffalo.edu/pub/ham-radio

file://rtfm.mit.edu/pub/usenet/news.answers/radio/ham-radio/faq

file://grivel.une.edu.au/pub/ham-radio/buffalo/ham-radio  
file://nic.funet.fi/pub/ham/info  
gopher://cc1.kuleuven.ac.be/  
gopher://jupiter.sun.csd.unb.ca/  
gopher://gopher.univ-lyon1.fr/  
gopher://ftp.win.tue.nl/  
gopher://gopher.win.tue.nl/  
wais://rtfm.mit.edu/usenet

For more information on WWW, see the comp.infosystems.www newsgroup. Also, the help options on your WWW client should be able to point you to lots of information all over the world.

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## Table of Contents

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Dates indicate last modification.

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- \*\* Can I send ARRL or W5YI electronic mail? (11/92)
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- \*\* How do I become a 10-10 member? (9/93)
- \*\* How do I join MARS? (9/93)
- \*\* How do I join RACES? (pre-4/92)
- \*\* What organizations are available to help handicapped hams? (pre-4/92)
- \*\* I am looking for a specific ham, can anyone help me find him? (6/93)
- \*\* Can I post my neat new ham related program on rec.radio.amateur.misc? (pre-4/92)
- \*\* Where can I get ham radio software for my computer? (9/93)
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### Part 3 - Amateur Radio Advanced and Technical Questions

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- \*\* What is the best way to learn Morse Code? (10/92)
- \*\* What is the standard for measuring Morse code speed? (pre-4/92)
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- \*\* I'm confused. What do all those abbreviations mean??? (6/93)
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- \*\* Where can I learn more about Amateur Radio if I live outside the US? (9/93)
- \*\* How can I get a "reciprocal license" if I am a licensed ham from another country or if I am a FCC licensed ham who wants to operate in another country (on vacation)? (9/93)
- \*\* My apartment or housing complex does not allow outdoor antennas, now what do I do? (9/93)
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- \*\* On what frequencies do JPL and GSFC retransmit the shuttle audio? (10/92)
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--Submitting changes for the FAQ-----

If you have comments or updates for the FAQ, send e-mail to  
hamradio-faq@amdahl.com

This will send mail to all the people on the FAQ editorial review group.

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Date: 23 Jan 94 18:34:28 GMT

From: ogicse!netnews.nwnet.net!news.uoregon.edu!gaia.ucs.orst.edu!

flop.ENG.R.OST.EDU!xanth.CS.OST.EDU!kayd@network.ucsd.edu

Subject: Tubes, ~4800 of them for sale!

To: info-hams@ucsd.edu

The Oregon State University Amateur Radio Club has over 4800 tubes for sale. They are of varying types and quantities. I have a full inventory list available through my mailbox. Simply send E-mail to my E-mail address listed below with the subject "osutubes" and you'll get the list. If you want to talk about the tubes, DON'T use that subject, as I won't get the mail.

Our current offer for the tubes is \$4250 + Shipping. We are not going to sell ANY of the tubes separate from the lot.

Darrek Kay

kayd@xanth.cs.orst.edu

(503)737-9410

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Date: Sat, 22 Jan 1994 08:51:03

From: sdd.hp.com!spool.mu.edu!howland.reston.ans.net!cs.utexas.edu!news.unt.edu!

news.oc.com!utacfd.uta.edu!rwsys!ocitor!FredGate@network.ucsd.edu

Subject: Where is ss25.zip?

To: info-hams@ucsd.edu

> In article <wy1zCJsLx7.KzC@netcom.com> wy1z@netcom.com

> (Scott Ehrlich) writes:

>>A friend of mine pointed me to this program, though I'm not sure whether

>>or not it is a ham radio related program.

>>

> It's shareware and I got mine from Stan Staten's BBS

> (the W3INK board)

> at 301-590-9629. Stan is a Stalwart down here

> maintaining a packet-BBS

> pair setup .

> Joe NA3T  
> mack@ncifcrf.gov

try ftp.halcyccon.com

lee - wa5eha@delphi.com

\* Origin: Com Port 1 DFW Amateur Radio BBS (214) 226-1181 (1:124/7009)

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Date: 22 Jan 1994 21:30:46 -0800  
From: vixen.cso.uiuc.edu!howland.reston.ans.net!usenet.ins.cwru.edu!eff!  
news.kei.com!yeshua.marcam.com!zip.eecs.umich.edu!destroyer!nntp.cs.ubc.ca!  
unbc.edu!unbc.edu!not-for-mail@sdd.hp.com  
To: info-hams@ucsd.edu

References <2hhsumINNms@abyss.West.Sun.COM>, <CJw15H.MKy@news.direct.net>,  
<gregCJzspp.8nD@netcom.com>am.com  
Subject : Re: Ramsey FX Transceivers

greg@netcom.com (Greg Bullough) writes:

>I suspect someone receiving a  
>Notice of Apparent Liability from the FCC would not consider it  
>to be trivial.

Aren't US hams required to learn the reg's prior to obtaining their ticket?

--lyndon

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Date: 22 Jan 1994 21:27:01 -0800  
From: yeshua.marcam.com!zip.eecs.umich.edu!destroyer!nntp.cs.ubc.ca!unbc.edu!  
unbc.edu!not-for-mail@uunet.uu.net  
To: info-hams@ucsd.edu

References <2hk4tpINN125@abyss.West.Sun.COM>, <CJwDLy.4wz@news.direct.net>,  
<2hk5iINN15h@abyss.West.Sun.COM>u  
Subject : Re: Ramsey FX Transceivers

myers@sunspot.West.Sun.COM (Dana Myers ) writes:

>The difference is that the IC24AT was factory built and then adjusted  
>by the factory to specified tolerances. Selling a kit which is highly  
>sensitive to component tolerances without providing an adjustment  
>method is considerably different. I've been insisting that people  
>who attempt to build and operate VHF and UHF amateur gear really need

>to verify the performance of the home-built (including kits) gear,

Has anyone considered that perhaps the requirements for obtaining an Amateur Radio license should be upgraded to the point where people cannot obtain a license until such time as they are aware of these problems?

The current practice (in Canada, anyway) of granting a license to anyone who can spell "Ohm's Law" correctly two times out of three might be a lot more at fault than John Ramsey's circuit designs.

--lyndon VE7TCP/VE6BBM

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Date: 22 Jan 1994 21:05:14 -0800  
From: destroyer!nntp.cs.ubc.ca!unbc.edu!unbc.edu!not-for-mail@uunet.uu.net  
To: info-hams@ucsd.edu

References <CJr5Fu.GGD@world.std.com>, <kmBagc1w165w@beagle.UUCP>,  
<741@comix.UUCP>pipex  
Subject : Re: Ramsey FX Transceivers

jeffl@comix.UUCP (Jeff Liebermann) writes:

[ Lots of good common sense arguments deleted for brevity ]

>6. The Ramsey kits are not state of the art, high quality,  
>or a fabulous bargain. They are adequate for the purpose intended:  
>a kit for those that still believe that radio construction is a  
>part of ham radio and that believe they may profit from the  
>experience.

Exactly. I picked up a pair of Ramsey's (2m, 440) to run on packet. Why? For one, it seemed silly to buy an all-singing all-dancing 400 memory PL rig just to wire down onto one frequency for packet. The Ramsey kit is easily interfaced to a packet modem.

As for price, the Ramsey kit is marginally less expensive than a comparable single band radio WITH THE SAME FEATURES. I defy you to find a commercially manufactured 2m (or 440) rig, with as few features as the Ramsey, to compare the price to. When you do, \*then\* we'll argue about the relative expense of the Ramsey kit.

I agree that the front end on the Ramsey kit is wider than it should be. I was aware of this from the outset. Prior to buying it, I asked around about it's good and bad points. If you did not do this, that's your problem. It should be noted that the 2m kit comes with an addendum that states quite plainly that the 2m kit is prone to intermod, and provides alternate



component values for the front-end filter that will tighten things up. I'm not sympathetic at all to the whining about wide front-ends' since this whining almost always comes from the same people that want DC-to-daylight coverage.

One thing about the Ramsey kit that does interest me is the PLL design. It appears to be able to lock up quickly after large frequency shifts. I'm curious to see if this can be exploited to run frequency-hopping spread spectrum. Not being an RF guru I might well be on drugs, but that's another reason why I bought a kit - there is enough room (and design documentation) in the kit that I can get my fat fingers in there and try out my ideas.

> If the lack of accessories is offensive, please  
> consider that anyone who builds their own equipment, is quite  
> likely to have a supply of suitable microphones, speakers, and  
> boxes.

Jeff has obviously seen my basement :-)

It's a shame that the Amateur Experimental Service has turned into the Amateur Appliance Service.

--lyndon VE7TCP/VE6BBM (who adds a whole new meaning to "beware of programmers bearing screwdrivers ...")

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End of Info-Hams Digest V94 #68

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